

IN THE CLAIMS

1. (Currently Amended) An antenna apparatus for receiving or transmitting radio waves, comprising:

a pair of antennas being one of a pair of dipole antennas, loop antennas, plane inverted F pattern antennas and inverted L pattern antennas having different resonant frequencies ~~which are relatively proximate to each other~~, and

a pair of phase shift circuits for shifting phase of said radio waves,

wherein one of said phase shift circuits has positive phase shift characteristics and another has negative phase shift characteristics, and feed points of said pair of antennas are connected to a radio circuit via said pair of phase shift circuits, respectively, and

whereby each of said antennas is operable to receive or transmit said radio waves at a different frequency.

2. (Previously Presented) The antenna apparatus according to claim 1, wherein: one of said phase shift circuits which are coupled to said one of said antennas shifts phase of said radio waves so as to increase an impedance of said one of said antennas at the resonance frequency of the other one of said antennas.

3. (Previously Presented) The antenna apparatus according to claim 1, wherein: said phase shift circuit comprises a lumped circuit.

4. (Previously Presented) The antenna apparatus according to claim 1, wherein:
said phase shift circuit comprises a distributed constant circuit.

5. (Currently Amended) An antenna apparatus for receiving or transmitting radio waves, comprising:

a plurality of antennas being one of a pair of dipole antennas, loop antennas, plane inverted F pattern antennas and inverted L pattern antennas having different resonant frequencies ~~which are relatively proximate to each other~~; and

a plurality of phase shift circuits for shifting phase of radio waves,

wherein one of said phase shift circuits has positive phase shift characteristics and another has negative phase shift characteristics, and feed points of said plurality of antennas are connected to a radio circuit via said plurality of phase shift circuits, respectively, and

whereby each of said antennas is operable to receive or transmit said radio waves at a different frequency.

6. (Previously Presented) The antenna apparatus according to claim 5, wherein:
one of said phase shift circuits which are coupled to said one of said antennas shifts phase of said radio waves so as to increase an impedance of said one of said antennas at the resonance frequency of the other one of said antennas.

7. (Original) The antenna apparatus according to claim 5, wherein:
said phase shift circuit comprises a lumped circuit.

8. (Original) The antenna apparatus according to claim 5, wherein:
said phase shift circuit comprises a distributed constant circuit.
9. (Currently Amended) A portable wireless communication apparatus having an antenna apparatus for receiving or transmitting radio waves, said antenna apparatus comprising:
a plurality of antennas being one of a pair of dipole antennas, loop antennas, plane inverted F pattern antennas and inverted L pattern antennas having different resonant frequencies ~~which are relatively proximate to each other~~; and
a plurality of phase shift circuits for shifting phase of said radio waves,
wherein one of said phase shift circuits has positive phase shift characteristics and another has negative phase shift characteristics, and feed points of said plurality of antennas are connected to a radio circuit via said plurality of phase shift circuits, respectively, and
whereby each of said antennas is operable to receive or transmit said radio waves at a different frequency.
10. (Original) The portable wireless communication apparatus according to claim 9, wherein:
said portable wireless communication apparatus is a portable telephone.